# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 20 | (KADASHEVICH-A-J KADASHEVICH-A-JULIE KADASHEVICH-JULIE-A KADASHEVICH-J-A KADASHEVICK-JULIE-A KADASHEVICK-J-A).in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/03 08:57 |
| S1 | 0 | "10761919" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 10:43 |
| S2 | 1 | "10/761919" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 10:43 |
| S3 | 1 | S2 AND agent AND thread | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 10:44 |
| S4 | 1 | S2 AND thread | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 10:52 |
| S5 | 361 | 714/55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 10:52 |
| S6 | 10 | S5 AND agent | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 10:54 |
| S7 | 12 | ("20030037294" \| "5278976" \| "5421013" \| "5442758" \| "5768572" \| "5796633" \| "5961584" \| "6157928" \| "6182238" \| "6493741" \| "6584587" \| "6697935").PN. OR ("6892331").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/08/17 11:11 |

# EAST Search History

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| S8 | 361 | 714/55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:41 |
| S9 | 1 | S8 AND (notif$4 NEAR related) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:27 |
| S10 | 1 | S8 AND (notif$4 NEAR2 related) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:27 |
| S11 | 1 | S8 AND (notif$4 WITH related) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:28 |
| S12 | 995 | 714/48.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 13:23 |
| S13 | 0 | S12 AND (((timeout OR (time ADJ out)) WITH notif$4 WITH related WITH (process$2 OR agent$1 OR thread))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:31 |
| S14 | 0 | S12 AND (((timeout OR (time ADJ out)) SAME notif$4 WITH related WITH (process$2 OR agent$1 OR thread))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:31 |
| S15 | 1 | S12 AND (((timeout OR (time ADJ out)) SAME notif$4 WITH related)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:32 |

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| S16 | 0 | S8 AND (prevent$3 NEAR (reset$4 NEAR entire)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:42 |
| S17 | 0 | S8 AND (prevent$3 WITH (reset$4 WITH entire)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:43 |
| S18 | 0 | S12 AND (prevent$3 WITH (reset$4 WITH entire)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:44 |
| S19 | 73 | S12 AND (messag$3 WITH relat$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:44 |
| S20 | 81 | S12 AND (messag$3 WITH relat$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/18 10:44 |
| S21 | 361 | 714/55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/21 12:05 |
| S22 | 17 | S21 AND (determin$3 WITH relat$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/21 12:05 |
| S23 | 361 | 714/55.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:57 |

# EAST Search History

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| S24 | 0 | S23 AND (sort WITH list WITH alert$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:57 |
| S25 | 0 | S23 AND (sort$3 WITH list WITH alert$1) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:57 |
| S26 | 2 | S23 AND (sort$3 WITH list) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:57 |
| S27 | 0 | S23 AND (sort$3 WITH alter$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:58 |
| S28 | 2 | S23 AND (order$3 WITH alert$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:59 |
| S29 | 12 | (sort$3 WITH list$3 WITH alert$3) SAME display$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/22 10:59 |
| S30 | 18 | 714/38.ccls. and runaway | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/03 09:12 |
| S31 | 99 | 714/48.ccls. and @pd>="20060821" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 13:23 |

# EAST Search History

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| S32 | 20 | 714/55.ccls. and @pd>="20060821" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/03 09:12 |
| S33 | 301 | 714/34.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:21 |
| S34 | 0 | 714/34.ccls. and runaway | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/02 13:21 |
| S35 | 195 | runaway adj (software or agent or process or thread) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/03 09:22 |
| S36 | 42 | runaway adj (software or agent or process or thread) and window | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/03 08:57 |

# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L2 | 597 | 714/38.ccls. | US-PGPUB | OR | ON | 2007/05/03 09:12 |
| L3 | 35 | 714/55.ccls. | US-PGPUB | OR | ON | 2007/05/03 09:13 |
| L4 | 43 | runaway adj (software or agent or process or thread) | US-PGPUB | OR | ON | 2007/05/03 09:22 |

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**Windows** .NET Structure and Architecture

The **thread** is an **agent** that does the bidding of the **process**. ... coming from the UNIX environment occasionally face a **runaway process** known as a zombie. ...
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IT Resource Center forums - opcmona **process** at 100% CPU - This ...

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Application-level **software** watchdog timer - US Patent 7000100

Watchdog timer that can detect **processor runaway** while **processor** is accessing storage ... interrupts and performs kernel mode **process** and **thread** scheduling. ...
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**Windows** Server 2003 provides a robust **process** and **thread** priority facility. ...
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## A Java RMI server framework

The **agent** logical **process** completes asynchronously without any return data. ... Catching an exception is easy; spotting a **runaway thread** is difficult. ...
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## Gripes about Counterspy from Sunbelt **Software**

**Process** Explorer showed that the **runaway** program was sunasDtServ.exe version 1.00.0000.0118 from November 15, 2004. The specific **thread** that was consuming ...
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Terms used
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1 Robustness: Defensive programming: using an annotation toolkit to build DoS-resistant software
Xiaohu Qie, Ruoming Pang, Larry Peterson
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI
**Publisher:** ACM Press
Full text available: pdf(2.13 MB) Additional Information: full citation, abstract, references, citings

This paper describes a toolkit to help improve the robustness of code against DoS attacks. We observe that when developing software, programmers primarily focus on functionality. Protecting code from attacks is often considered the responsibility of the OS, firewalls and intrusion detection systems. As a result, many DoS vulnerabilities are not discovered until the system is attacked and the damage is done. Instead of reacting to attacks after the fact, this paper argues that a better solution i ...

2 Fast detection of communication patterns in distributed executions
Thomas Kunz, Michiel F. H. Seuren
November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research CASCON '97**
**Publisher:** IBM Press
Full text available: pdf(4.21 MB) Additional Information: full citation, abstract, references, index terms

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

3 Reference models, window systems, and concurrency
K A Lantz, P P Tanner, C Binding, Kuan-Tsae Huang, A Dwelly
April 1987 **ACM SIGGRAPH Computer Graphics**, Volume 21 Issue 2
**Publisher:** ACM Press
Full text available: pdf(1.30 MB) Additional Information: full citation, citings, index terms

4 Coordinating rule-based software processes with ESP

Paolo Ciancarini
July 1993 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 2 Issue 3
**Publisher:** ACM Press

Full text available: pdf(1.71 MB) Additional Information: full citation, abstract, references, index terms, review

ESP is a language for modeling rule-based software processes that take place in a distributed software development environment. It is based on PoliS, an abstract coordination model that relies on Multiple Tuple Spaces, i.e., collections of tuples a la Linda. PoliS extends Linda aiming at the specification and coordination of logically distributed systems. ESP (Extended Shared Prolog) combines the PoliS mechanisms to deal with concurrency and distribution, with the logic-programming language ...

**Keywords**: concurrency, logic programming, multiuser programming environment, rule-based programming, software process, software process modeling

5 Migration: Luna: a flexible Java protection system
Chris Hawblitzel, Thorsten von Eicken
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue SI
**Publisher:** ACM Press
Full text available: pdf(1.39 MB) Additional Information: full citation, abstract, references, citings

Extensible Java systems face a difficult trade-off between sharing and protection. On one hand, Java's ability to run different protection domains in a single virtual machine enables domains to share data easily and communicate without address space switches. On the other hand, unrestricted sharing blurs the boundaries between protection domains, making it difficult to terminate domains and enforce restrictions on resource usage. Existing solutions to these problems restrict sharing in an ad-hoc ...

6 Chiron-1: a software architecture for user interface development, maintenance, and run-time support
Richard N. Taylor, Kari A. Nies, Gregory Alan Bolcer, Craig A. MacFarlane, Kenneth M. Anderson, Gregory F. Johnson
June 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 2 Issue 2
**Publisher:** ACM Press

Full text available: pdf(2.65 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The Chiron-1 user interface system demonstrates key techniques that enable a strict separation of an application from its user interface. These techniques include separating the control-flow aspects of the application and user interface: they are concurrent and may contain many threads. Chiron also separates windowing and look-and-feel issues from dialogue and abstract presentation decisions via mechanisms employing a client-server architecture. To separate application code from user interf ...

**Keywords**: artists, client-server, concurrency, event-based integration, user interface architectures

7 General applications D: general applications III: Simulation with real world network stacks
Sam Jansen, Anthony McGregor
December 2005 **Proceedings of the 37th conference on Winter simulation WSC '05**
**Publisher:** Winter Simulation Conference
Full text available: Additional Information:

pdf(148.49 KB) full citation, abstract, references

Network simulation is used widely in network research to test new protocols, modifications to existing protocols and new ideas. The tool used in many cases is ns-2. The nature of the ns-2 protocols means that they are often based on theoretical models that might not behave in the same way as real networks. This paper presents the Network Simulation Cradle which allows real world network stacks to be used in a wrapper that allows the stacks protocols to be used in the ns-2 network simulator. The ...

**8** Process migration

Dejan S. Milojičić, Fred Douglis, Yves Paindaveine, Richard Wheeler, Songnian Zhou
September 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 3
**Publisher:** ACM Press
Full text available: pdf(1.24 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Process migration is the act of transferring a process between two machines. It enables dynamic load distribution, fault resilience, eased system administration, and data access locality. Despite these goals and ongoing research efforts, migration has not achieved widespread use. With the increasing deployment of distributed systems in general, and distributed operating systems in particular, process migration is again receiving more attention in both research and product development. As hi ...

**Keywords**: distributed operating systems, distributed systems, load distribution, process migration

**9** Multi-process structuring of user interface software

K A Lantz
April 1987 **ACM SIGGRAPH Computer Graphics**, Volume 21 Issue 2
**Publisher:** ACM Press
Full text available: pdf(787.39 KB) Additional Information: full citation, abstract, citings, index terms

Many contemporary user interface management systems suffer from the lack of adequate operating system support for multi-process structuring. They either adopt a single-process server approach, resulting in monolithic code, or are implemented as run-time libraries, resulting in a high degree of redundancy and complex synchronization problems. This paper, on the other hand, describes a methodology that takes advantage of lightweight processes and fast interprocess communication to structure user i ...

**10** Concepts and paradigms of object-oriented programming

Peter Wegner
August 1990 **ACM SIGPLAN OOPS Messenger**, Volume 1 Issue 1
**Publisher:** ACM Press
Full text available: pdf(5.52 MB) Additional Information: full citation, abstract, citings, index terms

We address the following questions for object-oriented programming: *What is it? What are its goals? What are its origins? What are its paradigms? What are its design alternatives? What are its models of concurrency? What are its formal computational models? What comes after object-oriented programming?* Starting from software engineering goals, we examine the origins and paradigms of object-oriented programming, explore its language design alternativ ...

**11** Adding a collaborative agent to graphical user interfaces

Charles Rich, Candace L. Sidner
November 1996 **Proceedings of the 9th annual ACM symposium on User interface software and technology UIST '96**

**Publisher:** ACM Press
Full text available: pdf(1.58 MB) Additional Information: full citation, references, citings, index terms

**Keywords**: SharedPlan, agent, collaboration, direct manipulating, discourse, window sharing

12 Assessing process-centered software engineering environments

Vincenzo Ambriola, Reidar Conradi, Alfonso Fuggetta
July 1997 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 6 Issue 3
**Publisher:** ACM Press
Full text available: pdf(342.52 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Process-centered software engineering environments (PSEEs) are the most recent generation of environments supporting software development activities. They exploit an representation of the process (called the process model that specifies how to carry out software development activities, the roles and tasks of software developers, and how to use and control software development tools. A process model is therefore a vehicle to better understand and communicate the process. If ...

**Keywords**: CASE, enabling technology, process modeling languages, process-centered software engineering environments, software process

13 Discovering models of software processes from event-based data

Jonathan E. Cook, Alexander L. Wolf
July 1998 **ACM Transactions on Software Engineering and Methodology (TOSEM)**, Volume 7 Issue 3
**Publisher:** ACM Press
Full text available: pdf(369.76 KB) Additional Information: full citation, abstract, references, citings, index terms, review

Many software process methods and tools presuppose the existence of a formal model of a process. Unfortunately, developing a formal model for an on-going, complex process can be difficult, costly, and error prone. This presents a practical barrier to the adoption of process technologies, which would be lowered by automated assistance in creating formal models. To this end, we have developed a data analysis technique that we term process discovery. Under this technique, data ...

**Keywords**: Balboa, process discovery, software process, tools

14 Human-computer interface development: concepts and systems for its management

H. Rex Hartson, Deborah Hix
March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1
**Publisher:** ACM Press
Full text available: pdf(7.97 MB) Additional Information: full citation, abstract, references, citings, index terms, review

*Human-computer interface management*, from a computer science viewpoint, focuses on the process of developing quality human-computer interfaces, including their representation, design, implementation, execution, evaluation, and maintenance. This survey presents important concepts of interface management: dialogue independence, structural modeling, representation, interactive tools, rapid prototyping, development

methodologies, and control structures. *Dialogue independence* is th ...

15 Design principles behind Chiron: a UIMS for software environments
M. Young, R. N. Taylor, D. B. Troup, C. D. Kelly
April 1988 **Proceedings of the 10th international conference on Software engineering ICSE '88**
**Publisher:** IEEE Computer Society Press
Full text available: pdf(1.26 MB) Additional Information: full citation, abstract, references, citings, index terms

User interface facilities are a crucial part of the infrastructure of a software environment. We discuss the particular demands and constraints on a user interface management system (UIMS) for a software environment, and the relation between the architecture of the environment and the UIMS. A model for designing user interface management systems for large, extensible environments is presented. This model synthesizes several recent advances in user interfaces and specializes them to the doma ...

16 Technical papers: software architecture: Advanced control flows for flexible graphical user interfaces: or, growing GUIs on trees or, bookmarking GUIs
Paul T. Graunke, Shriram Krishnamurthi
May 2002 **Proceedings of the 24th International Conference on Software Engineering ICSE '02**
**Publisher:** ACM Press
Full text available: pdf(1.30 MB) Additional Information: full citation, abstract, references, citings, index terms

Web and GUI programs represent two extremely common and popular modes of human-computer interaction. Many GUI programs share the Web's notion of *browsing* through data- and decision-trees. This paper compares the user's browsing power in the two cases and illustrates that many GUI programs fall short of the Web's power to clone windows and bookmark applications. It identifies a key implementation problem that GUI programs must overcome to provide this power. It then describes a theoretical ...

17 Converging CSP specifications and C++ programming via selective formalism
William B. Gardner
May 2005 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 4 Issue 2
**Publisher:** ACM Press
Full text available: pdf(617.07 KB) Additional Information: full citation, abstract, references, citings, index terms

CSP (communicating sequential processes) is a useful algebraic notation for creating a hierarchical behavioral specification for concurrent systems, due to its formal interprocess synchronization and communication semantics. CSP specifications are amenable to simulation and formal verification by model-checking tools. A translator has been created to synthesize C++ code from CSP for execution with an object-oriented framework called CSP++, thereby making CSP specifications di ...

**Keywords**: Executable specifications, hardware/software codesign, object-oriented application frameworks

18 Experiences with the Amoeba distributed operating system
Andrew S. Tanenbaum, Robbert van Renesse, Hans van Staveren, Gregory J. Sharp, Sape J. Mullender
December 1990 **Communications of the ACM**, Volume 33 Issue 12
**Publisher:** ACM Press

Full text available: pdf(2.71 MB) Additional Information: full citation, abstract, references, citings, index terms, review

The Amoeba project is a research effort aimed at understanding how to connect multiple computers in a seamless way [16, 17, 26, 27, 31]. The basic idea is to provide the users with the illusion of a single powerful timesharing system, when, in fact, the system is implemented on a collection of machines, potentially distributed among several countries. This research has led to the design and implementation of the Amoeba distributed operating system, which is being used as a prototype and veh ...

19 Middleware performance analysis: Performance monitoring of java applications

M. Harkema, D. Quartel, B. M. M. Gijsen, R. D. van der Mei

July 2002 **Proceedings of the 3rd international workshop on Software and performance WOSP '02**

**Publisher:** ACM Press

Full text available: pdf(219.69 KB) Additional Information: full citation, abstract, references, citings, index terms

Over the past few years, Java has evolved into a mature platform for developing enterprise applications. A critical factor for the commercial success of these applications is end-to-end performance, e.g., in terms of response times, throughput and availability. This raises the need for the development, validation and analysis of performance models to predict performance metrics of interest. To develop and validate performance models, insight in the execution behavior of the application is essent ...

**Keywords**: performance measurement and monitoring of java applications

20 ISIS: an adaptive, trilingual conversational system with interleaving interaction and delegation dialogs

Helen Meng, P. C. Ching, Shuk Fong Chan, Yee Fong Wong, Cheong Chat Chan

September 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 3

**Publisher:** ACM Press

Full text available: pdf(3.71 MB) Additional Information: full citation, abstract, references, index terms

ISIS (Intelligent Speech for Information Systems) is a trilingual spoken dialog system (SDS) for the stocks domain. It handles two dialects of Chinese (Cantonese and Putonghua) as well as English---the predominant languages in our region. The system supports spoken language queries regarding stock market information and simulated personal portfolios. The conversational interface is augmented with a screen display that can capture mouse-clicks as well as textual input by typing or stylus-writing. ...

**Keywords**: Human-computer spoken language interface, interaction and delegation dialogs

Dialog DataStar

options | logoff | feedback | help

databases | easy search

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- Classification codes B: Electrical & Electronics, 0-5

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